

ABSTRACT:

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A method and device are disclosed for the detection and synchronization of a signal in a frequency-hopping system. The method has a step, for each frequency $F(1) \dots F(M)$, of selecting the K samples corresponding to the greatest values of the signal, and their positions. For a given position, the M greatest values are combined which are selected from among K samples on each frequency having the given position. The greatest combined value is kept and the corresponding position. The greatest combined value is compared with a threshold value, and if the greatest combined value is greater than this threshold value, then the detection of the signal is declared.